

Stuyvesant ADMINISTRATIVE RECORD Index

Tckng#	Date	Author	Recipients	Document Title	Document Description
General					
GE01	11/16/1999	CDFG		Logs of samples, live, and dead birds	
GE02	5/22/2000			Cooperative Natural Resource Damage Assessment Agreement for the Dredge Stuyvesant / Humboldt Bay Oil Spill	Original NRDA agreement
GE03	7/19/2000	Dan Welsh	Linda Wilhelm	Status of Exchange of Data for M/V Stuyvesant Oil Spill NRDA	letter from Dan Welsh to Entrix memorializing documents that trustees have shared with Entrix
GE04	8/14/2000	Jennifer DeLeon	Linda Wilhelm and Charlene Hall	Exchange	Email message with SCAT database attached
GE05	8/22/2000	Dan Welsh	Linda Wilhelm	Exchange of Data for M/V Stuyvesant Oil Spill NRDA	letter from Dan Welsh to Entrix memorializing documents that trustess have shared with Entrix
GE06	12/1/2000	Linda Wilhelm (Entrix)	Dan Welsh (FWS)	stuyvesant presentation	email with presentation attachment highlighting tech group progress on injury assessment for: habitat, human use and birds
GE07	3/26/2001	Rick McCartney	Steve Hampton	Wind Data from Arcata Airport Station	letter with raw wind velocity and direction data.
GE08	5/31/2001			Proposed Scope of Work: Active Public Use Losses for the <i>Dredge Stuyvesant</i> Oil Spill	
GE09	10/3/2001			Workplan: Sea Bird Mortality Assessment for the <i>Dredge Stuyvesant</i> Oil Spill	
GE10	3/16/2002	CDFG		Sample Locations - preliminary assessment	maps of sample locations, etc...
GE11	8/14/2002			Amendment to Cooperative Natural Resource Damage Assessment agreement for the Dredge Stuyvesant / Humboldt Bay Oil Spill	Amendment to NRDA agreement to include restoration
GE12	11/19/2003	Wayne White, USFWS	Ralph Markarian, Entrix	Status of M/V Stuyvesant Cooperative Assessment Tasks	letter requesting list of reports Entrix still intends to prepare and the expected delivery dates
GE13	11/24/2003	USFWS	Federal Register readers	Notice of Intent to Conduct Restoration Planning for Natural Resources Injured by the Release of Oil from the M/V Stuyvesant Oil Spill, Humboldt County, CA	Federal Register notice announcing the trustees intent to conduct restoration planning for the M/V Stuyvesant oil spill
GE14	11/24/2003	David Harlow, USFWS	mailing list of interested parties	none	letter transmitting copy of Notice of Intent to interested parties and requesting comments within 30 days
GE15	11/24/2003	USFWS	news media	U.S. Fish and Wildlife Service and California Agencies Begin Planning for Restoration Following 1999 Oil Spill	News Release announcing release of Notice of Intent
GE16	12/10/2003	Ralph Markarian, Entrix	Dan Welsh, Julie Yamamoto and others	Report Status and Admin Record	e-mail transmitting summary of status of reports
Non-MAMU Restoration Planning					
NMRP01	10/7/2002	Entrix		Entrix Scaling Methodologies and Restoration Project Proposal for Compensation of Natural Resource Injuries from the Dredge M/V Stuyvesant Oil Spill	
NMRP02	10/24/2002	Steve Hampton		Trustee comments on Entrix Scaling and Restoration Proposals	Draft comments
NMRP03	11/21/02	Entrix	trustees	DOC: Entrix's Presentation on Injury Quantification and Restoration Project Scaling: Summary and Current Status	Presented at Entrix-Trustee Attorney-Technical meeting.
NMRP04	Jan-03			MV Stuyvesant Oil Spill Non-MaMu Restoration Scaling Status Update	
NMRP05	no date	CDFG-OSPR		Trustee Council's Guideline to Restoration Project Evaluation Criteria	

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Tckng#	Date	Author	Recipients	Document Title	Document Description
Source & Pathway					
SP01	9/7/1999	NOAA	Incident Command	Overflight Maps	maps showing locations of oil seen in ocean during overflights
SP02	9/10/1999	Robilliard, ENTRIX	Trustees	Field Sampling Plan (NRDA)	plan for collecting samples to document extent of oiling of beaches and biota
SP03	9/28/1999	TDI-Brooks International, In, B&B Laboratories, In	Wilhelm, ENTRIX	Technical Report 99-354, Stuyvesant Dredge Project	report on determination of volatile organic hydrocarbons in 36 water samples
SP04	10/15/1999	Ricker, CDFG	Nedoff, ENTRIX	Stuyvesant Sample Analyses	FAX transmittal of letter with proposed details of chemical analysis of source oil and biota
SP05	10/18/1999	TDI-Brooks International, In, B&B Laboratories, In	ENTRIX	Technical Report 99-361, Stuyvesant Dredge Project	report on determination of volatile organic hydrocarbons in 64 sediment samples
SP06	10/21/1999	TDI-Brooks International, In, B&B Laboratories, In	ENTRIX	Technical Report 99-359A, Stuyvesant Dredge Project	report on determination of TPH, PAH and saturate biological markers in 3 feather samples and source oil
SP07	10/26/1999	Robilliard and Nedoff, ENTRIX	Welsh, USFWS	Map of Stuyvesant Oil and Sediment Sample Locations	FAX transmittal of map with oil and sediment sample collection locations
SP08	11/16/1999	CDFG	Trustees and ENTRIX	Maps of locations where chemistry data were collected	maps showing where water, sediment, oil, and biota samples were collected
SP09	11/17/1999	Welsh, USFWS	Robilliard, ENTRIX	Results of Tarball Analyses	letter transmitting lab report on analysis of 3 tarball samples and Stuyvesant source oil
SP10	11/18/1999	TDI-Brooks International, In, B&B Laboratories, In	ENTRIX	Technical Report 99-391, Stuyvesant Dredge Project	report on determination of TPH, PAH, and saturate biological markers in sediment, eel grass, and source oil samples
SP11	12/1/1999	B. Castle, CDFG	Nedoff, ENTRIX	Raw Data and Chemstation Revision History	e-mail transmittal of files containing raw GC/MS data for analysis of 6 samples
SP12	5/3/2000	Woods Hole Group Environmental Laboratories	ENTRIX	Case Narrative, PIANO Volatile Analysis Report	contains results of chemical analyses of source oil for volatile organic compounds
SP13	1/15/2001	Wilhelm, ENTRIX	Welsh, USFWS	Ship Location Plot	FAX transmittal of map with dates and times of ship location
SP14	Aug-01	Ocean Imaging	Trustees	Utilization of Synthetic Aperture Radar Satellite Imagery for Coastal Oil Spill Surveyance	A demonstration study with emphasis on the M/V Stuyvesant oil spill off Humboldt Bay, California
Water Column					
WC01	10/22/1999	Judy Nedoff	Trustee and Entrix Reps	summary of 10/15 chemistry call	
WC02	11/19/1999	Judy Nedoff	Trustee and Entrix Reps	Tar Ball Data	email of tar ball data
WC03	12/1/1999	Bill Castle	Entrix and Trustee Reps	Raw Data and Chemstation Revision History	email of raw GC/MS data

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WC04	3/17/2000	Milton Boyd	Greg Baker (NOAA)	Sample identification	Letter from Dr. Boyd highlighting his invertebrate identification and methods.
WC05	4/19/2001	Stratus Consulting		Determining Ecological Equivalence in Service-to-Service Scaling of Salt Marsh Restoration	
WC06	6/5/2001	Charlene Hall	Entrix	Status of Shrimp samples	Email thread between FWS and Entrix regarding shrimp samples
WC07	7/19/2001	Milton Boyd	Trustees	Identification notes on Thyanoessa spinifera for DFG	report from Dr. Milt Boyd on identification and natural history of shrimp
WC08	10/4/2001	DFG	Charlene Hall	Shrimp chromatographs	GC data from shrimp samples, sent to Entrix
WC09	10/25/2001	Rick McCartney	trustees	Glenn Ford's Scope of Work and Shrimp Study Costs	email between Entrix and Charlene Hall re: shrimp samples
WC10	10/31/2001	Rick McCartney	trustees	Biological Data for Model	email request for trustee data needed for incorporation into water column model
WC11	11/5/2001	Charlene Hall	Entrix	stuyvesant water column and human use	email communicating trustee concerns regarding water column injury quantification
WC12	11/6/2001	Charlene Hall	Trustees	Stuyvesant update from Entrix	email from Charlene, passing Entrix concerns over Trustee comments to Trustees
WC13	12/19/2001	Entrix	Trustees	Shrimp data	Email from Rick McCartney to Trustees confirming receipt of GC data
WC14	1/23/2002	Entrix		M/V Stuyvesant Entrix Water Column Model Slide Presentation	powerpoint presentation of Entrix's water column model
WC15	4/16/2002	McCay, Peterson & Donlan		Restoration Scaling of Benthic, Aquatic and Bird Injuries to Oyster Reef and Marsh Restoration Projects	report
WC16	4/21/2002	Charlene Hall	Technical group (trustee and Entrix)	Powerpoint presentation slides and references	email from Charlene Hall sending water column modeling info to technical group. Also list of references used for adjusting LC50 values
WC17	4/25/2002	Lavinia O'Hanlon (Entrix?)	Ralph Markarian, Ted Tomasi, Mike Ficnera	Fish Biomass Search process	memo from Entrix documenting information sources used to estimate total fish biomass for nearshore Pacific Ocean outside of Humboldt Bay
WC18	5/20/2002	Rick McCartney	Trustees	Status of Action Items - an Update	email update on status of action items assigned to Entrix
WC19	10/24/2002	Steve Hampton	Entrix	Draft trustee comments on Entrix scaling and restoration proposals	Draft trustee comments on water column injury and wetland restoration quantification
WC20	12/6/2002	Entrix	trustees	Wetland productivity	Entrix wetlands settlement proposal discussing how productivity values were estimated
WC21	12/10/2002	Milton Boyd	Charlene Hall	restored marsh productivity values	email thread discussing marsh productivity quantification
WC22	12/13/2002	Jeff Wakefield (Entrix)	Charlene Hall	stuyvesant marsh productivity and recovery references	email thread discussing marsh productivity quantification
WC23	12/17/2002	Milton Boyd	Charlene Hall	Humboldt Bay salt marsh vegetation	document outlining productivity values if various plant species in Humboldt Bay
WC24	12/19/2002	Charlene Hall	Entrix	Stuyvesant water column injury	email discussing water column injury and scaling
Recreation Use					
RU01	12/15/1999	van Geel and Curry, IEC	DuVair, CDFG	Addressing Gaps in Beach Use Data for the Estimation of Baseline Activity Levels	memo discussing methods for estimation of baseline beach use
RU02	1/27/2000	van Geel and Curry, IEC	DuVair, CDFG	Estimates of Beach Use for September 18 and 19, 1999	memo with visitation estimates for 8 beaches on September 18 and 19, 1999

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Tckng#	Date	Author	Recipients	Document Title	Document Description
RU03	3/16/2000	Wilhelm, ENTRIX	Welsh, USFWS; Markarian, ENTRIX	Human Use Scope of Work	e-mail with attached draft scope of work for Active Public Use Losses for Dredge Stuyvesant
RU04	9/29/2000	Tomasi, ENTRIX; Curry, IEC	RP/Trustee Tchnical Team	Update on Active Human Use Loss Studies	memo with update on active human use loss studies
RU05	1/22/2001	Curry and van Geel, IEC; Byrd and Tomasi, ENTRIX	Stuyvesant Oil Spill Trustee Council	Stuyvesant Oil Spill - Human Use Impacts	memo providing update on progress, outstanding issues, and timeline for completion of cooperative assessment of human use impacts of Stuyvesant spill
RU06	4/1/2001	Rosenberger and B. Loomis		Benefit Transfer of Outdoor Recreation Use Values: A Technical Document Supporting the Forest Service Strategic Plan (2000 Revision)	copy of a technical document published by the U.S. Forest Service
RU07	11/5/2001	Hall, USFWS	McCartney and others, ENTRIX	Stuyvesant: Water Column and Human Use	e-mail with update on status of assessment of human use impacts of Stuyvesant spill
RU08	11/29/2001	Steve Hampton	Trustees	Stuyvesant: Value of a Surfing Day	memo from Steve Hampton reviewing literature on value of user days spent in various outdoor recreational activities
RU09	4/1/2002	Entrix & Industrial Economics	PRP & Trustees	Lost Active Human Use Cooperative Assessment	Final Human Use Report
Shoreline Habitat					
SH01	1999	CDFG	Incident Command	Shoreline Segment Maps	maps of shoreline segments A-Z
SH02	9/17/1999	SCAT teams	Incident Command	SCAT Phone Reports	log of phone reports from SCAT teams to ICS
SH03	11/30/1999	Inspection Teams	Incident Command	Clean-Up Sign Off Sheets	official forms documenting when beaches were determined to need no further cleanup
SH04	2/15/2000	Wilhelm, Markarian, ENTRIX	RP/Trustee Technical Team	Scope of Work for HEA Process	memo with proposed outline of steps needed to document and estimate the duration and extent of injury within the HEA framework
SH05	2/28/2000	Wilhelm, ENTRIX	Welsh, USFWS	HEA Process Memo	e-mail with proposed procedure and flow chart for HEA
SH06	5/5/2000	Welsh, USFWS	Wilhelm, ENTRIX	Shoreline Survey Evaluation Forms	binder with complete set of shoreline survey evaluation forms completed by SCAT teams
SH07	5/11/2000	Tarpley, CDFG	DuVair, CDFG	SCAT/ENTRIX	definitions of standard SCAT terms and codes
SH08	5/24/2000	Wilhelm, ENTRIX	Welsh, USFWS; Markarian, ENTRIX	Draft HEA Documents	e-mail with attached draft documents on HEA process for various habitats
SH09	5/24/2000	L Wilhelm, Markarian, ENTRIX	RP/Trustee Technical Team	Draft Shoreline Habitat Injury Assessment Workplan	memo describing process for conducting the HEA for shoreline habitat injury assessment
SH10	9/8/2000	Boyd, HSU	Lesh, CDFG	Data on Sand Beach Transects	letter transmitting summaries of numbers of invertebrate species detected on transects of Clam Beach in 1997, 1998, and 2000

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Tckng#	Date	Author	Recipients	Document Title	Document Description
SH11	9/13/2000	DuVair, CDFG	Wilhelm and Markarian, ENTRIX	HEA Field Work Proposal	e-mail with attached draft HEA assessment task proposal titled Pathway/HEA Assessment Task (Exhibit A: Tasks 3&5): Field Survey to Obtain Shoreline Data for HEA, Draft Scope of Work and Methods
SH12	10/2/2000	Wilhelm, ENTRIX	Welsh, USFWS, and others	HEA Powerpoint Presentation	e-mail with copy of HEA powerpoint presentation from 9/20/00 technical meeting
SH13	10/13/2000	Lesh, Broadman, CDFG		Beach face measurements for South Spit of Humboldt Bay	report on measurements of width of beach at South Spit of Humboldt Bay
SH14	10/13/2000	Welsh, USFWS	Markarian, ENTRIX	Clam Beach HEA	e-mail regarding estimate of width of Clam Beach for HEA
SH15	10/13/2000	Wilhelm, ENTRIX	Welsh, USFWS	Clam Beach HEA	e-mail regarding estimate of width of Clam Beach for HEA
SH16	10/16/2000	Markarian, ENTRIX	Welsh, USFWS	Clam Beach HEA	e-mail regarding estimate of width of Clam Beach for HEA
SH17	10/22/2000	Welsh, USFWS	Markarian, ENTRIX	Clam Beach HEA	e-mail regarding estimate of width of Clam Beach for HEA
SH18	10/23/2000	Joe Lesh (OSPR)		Review of Data Collected at Clam Beach by Students of Dr. Milton Boyd, Professor at Humboldt State University for M/V Stuyvesant Spill Injury Assessment	Draft report
SH19	11/7/2000	Hall, USFWS	Wilhelm, ENTRIX	Shoreline Changes	e-mail regarding interpretation of shoreline oiling data
SH20	11/14/2000	Welsh, USFWS	Markarian, ENTRIX, and others	Trustee Comments on Draft Stuyvesant HEA	e-mail discussing input parameters to sandy beach HEA model
SH21	11/21/2000	Welsh, USFWS	Markarian, ENTRIX, and others	Stuyvesant Sandy Beach HEA Inputs: Updated per 11/20 Call	e-mail discussing input parameters to sandy beach HEA model
SH22	11/22/2000	Markarian, ENTRIX	Welsh, USFWS	Response to Updated Stuyvesant Sandy Beach HEA Inputs	e-mail discussing input parameters to sandy beach HEA model
SH23	11/27/2000	Welsh, USFWS	Markarian, ENTRIX	Response to Updated Stuyvesant Sandy Beach HEA Inputs	e-mail discussing input parameters to sandy beach HEA model
SH24	11/29/2000	ENTRIX	Trustees	Rocky Habitat HEA Proposal	Powerpoint presentation with working draft of proposal for rocky habitat HEA
SH25	12/1/2000	Welsh, USFWS	Trustees	Stuyvesant Presentation	e-mail with copy of Powerpoint file containing joint ENTRIX/Trustee presentation on progress of HEA and other injury assessment tasks at 11/30/00 meeting
SH26	12/19/2000	Welsh, USFWS	Markarian, ENTRIX, and others	Comments on Stuyvesant Rocky Habitats HEA Proposal	e-mail discussing input parameters to rocky habitat HEA model
SH27	1/15/2001	Wilhelm, ENTRIX	Welsh, USFWS	Rocky HEA Counter Proposal	e-mail with attached counter proposal for HEA input parameters for rocky habitat
SH28	Apr-01	RP/Trustee Technical Team	Bean Dredging, LLC	Working Draft Habitat Injury Assessment Report	draft report on habitat injuries based on cooperative assessment by RP/Trustee Technical Team
SH29	11/28/2001	McCartney, ENTRIX	Hall, USFWS	HEA Supporting Tables	e-mail with attached tables of acreages used in shoreline HEAs
SH30	6/11/2002	Watkins, USFWS	Hall, USFWS	Dune Restoration	e-mails regarding methods and costs of dune restoration in Humboldt County, including 3 reports received from Pickart, USFWS

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Tckng#	Date	Author	Recipients	Document Title	Document Description
Non-MAMU Bird Injury					
NMBI01	Dec-99	unknown	unknown	DOC: location maps and CDFG shapefile of data collected	MAMU, live birds, and dead bird location maps + shapefile of data collected
NMBI02	5/15/2000	Vafidis: Holland & Knight	McKinley, Verrue-Slater	V. Stuyvesant/Humboldt Co. 9/6/99 Oil Spill	copy of FAX requesting work plans for population studies
NMBI03	7/19/2000	Welsh	Wilhelm @ ENTRIX	EMAIL: Proposal for Analysis of Stuyvesant Boat Survey Data	Email accompanying SOW and Budget for RSL work
NMBI04	8/11/2000	Welsh: USFWS	Wilhelm: Entrix et a	EMAIL: proposal for monitoring snowy plover reproductive success	attached scope of work and budget for Mad River Biologist snowy plover study and request for reimbursement approval
NMBI05	9/19/2000	Wilhelm: Entrix	Hall: USFWS et a	EMAIL: proposed bird injury framework	draft proposed bird injury assessment framework attached
NMBI06	3/21/2001	DeLeon: unknown	unknown	DOC: draft suggested deletions from dead bird intake log	1 page table with 19 suggested deletions
NMBI07	4/17/2001	Yamamoto: CDFG-OSPR	McCartney: Entrix	EMAIL: non-visibly oiled birds	Draft proposed approach for categorizing non-visibly oiled seabirds attached
NMBI08	5/1/2001	Ford and Reed: Ford Consulting	na	M/V Stuyvesant/Humboldt Oil Spill Aerial Surveys of Marine Birds and Mammals	
NMBI09	5/10/2001	Entrix	n/a	DOC: summary of approaches to bird injury assessment	describes oil drift, population comparison, hindcast, multiplier, and risk-based approaches and models (plus earlier version, 1/23/01)
NMBI10	6/12/2001	McCartney : Entrix	Hall: USFWS plus other Entrix	EMAIL: Entrix comments to non-visibly oiled bird evaluation proposal	Entrix table of non-visibly oiled birds attached, in response to Trustee bird log
NMBI11	7/5/2001	McCartney: ENTRIX	Hall et a	EMAIL: Stuyvesant scheduling/Glenn Ford issue	disc re: Glenn Ford's participation
NMBI12	7/11/2001	Mad River Biologists	CDFG	REPORT: Effects of the Stuyvesant Spill on Reproductive Success of the Western Snowy Plover at Clam Beach, Humboldt County, California - Year 2000 Season	Draft Report
NMBI13	8/14/2001	Miller et a	na	Draft: Summary Report of On-Water Surveys of Wildlife in Response to the 1999 M/V Stuyvesant Humboldt Bay Oil Spill	RSL Boat Survey - multiple copies
NMBI14	10/3/2001	Hall: USFWS	McCartney: Entrix et a	EMAIL: update plus original email 10/3/01	update on bird work plan, snowy plovers, restoration, meetings, and staffing. + attached final workplan to estimate seabird mortality
NMBI15	10/17/2001	Ford: Ford Consulting		Preliminary Summary of Beach Survey Effort during the M/V Stuyvesant Oil Spill	Report on beached bird survey
NMBI16	11/5/2001	Hall: USFWS	McCartney: Entrix et a	EMAIL: bird data	segment length spreadsheet and summary search effort documentation attache
NMBI17	11/28/2001	McCartney : Entrix	Hall: USFWS et a	EMAIL: data set/beached bird modeling questions/requests	questions or requests re: differences in intake log v reconnaissance forms; electronic v paper log; search effort
NMBI18	3/25/2002	McCartney : Entrix	Hall: USFWS	EMAIL: updated database plus original email 2/25/02	Attachement: database re: redistribution of numbers agreed to by Trustees and Entrix
NMBI19	3/27/2002	Ford	RP	Revised Morgue Database and Time/Space Diagram of Bird Recovery Rate	3 pg report - Shared w/ RPs
NMBI20	5/1/2002	Reed @ Ford Consulting	Suchanek et al.	EMAIL: Bird Matrix for Jeff	with Excel attachment: birdmatrixforJeff (#birds/km matrix)
NMBI21	5/7/2002	Hall: USFWS	Wakefield: Entrix et al.	EMAIL: meeting minutes from April 15-16 meeting	attached meeting summary
NMBI22	Jun-02	unknown	Hall: USFWS	DOC: Hookton Slough wetland restoration project	1/2 page project description

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Tckng#	Date	Author	Recipients	Document Title	Document Description
NMBI23	Jun-02	unknown	Hall: USFWS	DOC: Restoration of intertidal wetlands and eelgrass beds in North Humboldt Bay	1/2 page project description
NMBI24	Jun-02	unknown	Hall: USFWS	DOC: Enhancement of beach habitats through eradication of European beach grass	1/2 page project description
NMBI25	Jun-02	unknown	Hall: USFWS	DOC: Enhancement of brown pelican roost sites in North Humboldt Bay	1/2 page project description
NMBI26	Jun-02	unknown	Hall: USFWS	DOC: Acquisition, protection, and management of Cape Vizcaino area seabird colonies	1/2 page project description
NMBI27	Jun-02	unknown	Hall: USFWS	DOC: human disturbance reduction program for seabird colonies and roosts in Humboldt and Del Norte Counties	1/2 page project description
NMBI28	Jun-02	unknown	Hall: USFWS	DOC: restoration of Trinidad seabird colonies	1/2 page project description
NMBI29	Jun-02	unknown	Hall: USFWS	DOC: Enhancement of Lake Earl western grebe nesting habitat	1/2 page project description
NMBI30	Jun-02	unknown	Hall: USFWS	DOC: restoration of seabird colonies at Whaler Island	1/2 page project description
NMBI31	6/6/2002	Yamamoto: CDFG-OSPR	McCartney: Entrix et al.	EMAIL: update	attached spreadsheet with costs from Devil's Slide Rock
NMBI32	6/14/2002	Yamamoto: CDFG-OSPR	Trustees	Email: info for Entrix	attached files include MAMU mortality estimates and restoration project long descriptions.
NMBI33	7/8/2002	Zafonte (OSPR)		Demographic Parameter for Selected Species with Potential Nexus to Stuyvesant Bird Mortality	
NMBI34	7/12/2002	Hall: USFWS	McCartney: Entrix et al.	EMAIL: Stuyvesant data	information on Arcata Wharf, Hookton Slough; plus attachment on bird demographic parameters
NMBI35	8/7/2002	Wakefield: Entrix	Reed: RG Ford et a	EMAIL: re: sandy beach searcher efficiency plus original email 8/7/02	attached sandy beach efficiency data; agreement on live MAMU and dead MAMU but differ on small birds
NMBI36	8/7/2002	McCartney: ENTRIX	Hall et a.	EMAIL: Stuyvesant Bird Injury Assessment Update	update on bird modeling effort
NMBI37	8/8/2002	Reed: RG Ford	Wakefield: Entrix et al.	EMAIL: North Spit and revised search effort tables	North spit bird budget and revised search effort tables attached
NMBI38	8/9/2002	Wakefield: ENTRIX	Reed @ Ford Consulting et al.	EMAIL: North Spit Results	details of segment multipliers, comment on ENTRIX "pleased with level of synchronization"
NMBI39	8/13/2002	Wakefield: Entrix	Reed: RG Ford et al.	EMAIL: re: Trinidad Head revisions; plus string of previous emails	attached data used to determine tandem search efficiency
NMBI40	8/15/2002	Wakefield: Entrix	Reed: RG Ford et al.	EMAIL: re: responses to Trinidad Head mapping/search effort questions	adjustments for unsearched Trinidad head plus attached table of shoreline lengths and spreadsheet of search data
NMBI41	8/23/2002	Wakefield: Entrix	Hall: USFWS plus other Entrix	EMAIL: RE: Stuyvesant requests	questions on Arcata Wharf, Hookton Slough restoration costs; recovery times for common murres; progress on mortality estimates
NMBI42	8/29/2002	Wakefield: Entrix	Reed: RG Ford et al.	EMAIL: re: proposed lagoons bird budget plus original email with attached allbirds and proposed lagoon data 8/28/02	attached lagoons data set
NMBI43	9/5/2002	Hall: USFWS	McCartney: Entrix et al.	EMAIL: updates and conference call RSVP	information on Arcata Wharf, Hookton Slough; common murre injury and recovery estimates
NMBI44	9/13/2002	Markarian: Entrix	Hall: USFWS et al.	EMAIL: proposal for resolution of bird mortality	response to trustee concerns from 9/6/02 attached
NMBI45	9/18/2002	Tomasi: Entrix	Hampton: CDSF OSPR et al.	EMAIL: Entrix info in response to S. Hampton's question re: Extrapolation to unsearched areas	responses to questions re: extrapolation to unsearched areas. and Trinidad length files
NMBI46	Oct-02	Entrix	Hall: USFWS	DOC: Entrix scaling methodologies and restoration project proposals	includes Hall's comments on document
NMBI47	10/15/2002	Reed @ Ford Consulting	Hall: USFWS	EMAIL: Bird Database	Final bird database, with large Excel attachment

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Tckng#	Date	Author	Recipients	Document Title	Document Description
NMBI48	10/30/2002	McCartney : Entrix	Hall: USFWS et al.	EMAIL: total bird mortality estimates	Entrix's total mortality estimates by species for all birds
NMBI49	10/31/2002	McCartney : Entrix	Hall: USFWS et al.	EMAIL: conference call agenda and Entrix bird recovery proposal	attached draft agenda and Entrix proposal that was discussed at meeting
NMBI50	11/14/2002	Yamamoto	Entrix	Trustee response to Non-MAMU scaling	
NMBI51	12/11/2002	Yamamoto: CDFG-OSPR	Wakefield: Entrix et a	EMAIL: non-MAMU mortality	attached table with proposed Trustee numbers for non-MAMU mortality
NMBI52	Jan-03	Entrix?	unknown	DOC: Restoration scaling status update	agreed on calculations and scaled projects for large gulls, loons and grebes, and rocky seabirds; outstanding issues for water column, shoreline, marsh birds
NMBI53	1/28/2003	McCartney : Entrix	Hall: USFWS et al.	EMAIL: non-MAMU scaling update	attached Entrix update on current status of non-MAMU scaling and agreement on calculations and scaled projects for gulls, loons, grebes, and rocky seabirds; plus ongoing issues
NMBI54	2/24/2003	Yamamoto	Trustees	Stuyvesant call from Ted	
MAMU Injury Quantification					
MIQ01	12/11/99	CCR, Strong et al. - for Entrix	Entrix & Trustees	Surveys of Marbled Murrelets and other Seabirds in the Vicinity of Humboldt Bay, California between 12 and 14 October, 1999	Draft final report + 2 Excel files containing post-spill boat survey data
MIQ02	06/11/01	Hall	McCartney (Entrix)	Email transmittal	Trustee comments on post-spill boat survey data from CCR
MIQ03	02/01/02	Hampton	Trustees	Coloration of collected MAMUs	
MIQ04	02/25/02	Hampton	Yamamoto	Stuyvesant MAMU coloration	Email transmittal requesting that photos be sent to Entrix. Includes photo attachments
MIQ05	03/05/02	Entrix	Hampton	MAMU photos provided by Steve Hampton	
MIQ06	04/17/02	Entrix	Hampton, et al Trustees	DOC: Brief description of ENTRIX'S population dynamics model and approach for MAMU's.	DOC: Brief description of ENTRIX'S population dynamics model. Discussing Entrix's stage-structured deterministic model, and stage-structured stochastic model; approach for MAMU's & reference list
MIQ07	05/08/02	Wakefield, Entrix & Ford	Reed, Trustees	EMAIL/DOC: Entrix response to R.G. Ford Consulting. Summary of beached bird model issues (5/7/02)	Email/Attachment: Entrix response & Ford's highlight of issues to be resolved on the Beached Bird Model, including: Search Extrapolations, reflective coastlines, findability categories, non searched area estimates.
MIQ08	05/30/02	Hampton, Zafonte: CDFG-OSPR	Entrix et al.	DOC: Draft, estimating natural mortality in MAMU	3 pages
MIQ09	06/28/02	Wakefield: Entrix	Hampton	EMAIL/DOC: a) Entrix email discussing issues with Trustees MAMU natural Mortality assessment process and b) Trustees' DOC on Estimating Natural Mortality in MAMU (5/30/02)	EMAIL/DOC: a) Entrix email discussing issues with Trustees MAMU natural Mortality assessment process and b) Trustees' DOC on Estimating Natural Mortality in MAMU
MIQ10	08/07/02	McCartney: Entrix	Hall, Markarian, Wakefield	EMAIL: Entrix's Bird Injury Assessment Update	email that among other things, identifies that Entrix receives RP approval of their assessments all along the process
MIQ11	08/12/02	Wakefield: Entrix	Reed, Trustees	EMAIL: MAMU bird budget	bird budget attached plus specifics on a few birds
MIQ12	08/28/02	Hall: Trustees	Brickey et al and Entrix	EMAIL/DOC: Information Exchange. Attached documents include: MAMU collection log; individual descriptions of each mamu collected and trustee's comments on ENTRIX's mamu summary.	Three issues discussed: summary list of MAMU collections; individual descriptions of each mamu collected and trustee's comments on ENTRIX's mamu summary.
MIQ13	08/29/02	Markarian: Entrix	Hall: USFWS et al.	EMAIL: bird technical efforts	resolution of technical issues during process

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Tckng#	Date	Author	Recipients	Document Title	Document Description
MIQ14	08/30/02	Wakefield: Entrix	Reed: RG Ford, Hall: USFWS	EMAIL: re: MAMU bird budget	proposed MAMU bird budget attached for Clam Beach, Trinidad, and lagoons
MIQ15	09/04/02	Reed: RG Ford	Wakefield: Entrix et al.	EMAIL: re: MAMU bird budget plus original email 9/3/02	Trinidad Head issues file attached
MIQ16	09/05/02	Entrix	Hall, trustees	DOC: (untitled) Entrix Memo discussing Entrix's beached bird model issues & proposals.	
MIQ17	09/13/02	Markarian: Entrix	J Yamamoto et al	EMAIL/DOC: ENTRIX'S Proposal for Resolution of Bird Mortality w/ attachment file called response to trustees 9-13-2. Attached document titled: ENTRIX Proposal for Resolving Outstanding Issues on Bird Injury Assessment.	Entrix counter proposal for dealing with bird mortality issues, in response to Trustee's proposal discussed during meeting on 9/6/2.
MIQ18	09/18/02	TT: Entrix	SH: Trustees	EMAIL/DOC: Entrix proposal and follow-up Q&A to deal with outstanding mamu injury issues. w/attached documents called: Response to Steve.doc and Trinidad Lengths	email to discuss issues pertaining to search efficiency and assessment of injury.
MIQ19	09/20/02	Entrix	Trustees	DOC: Entrix's Clarification of ENTRIX Proposal on marbled murrelet injury and Trustee Response	Entrix memo clarifying their proposal re: outstanding issues
MIQ20	09/20/02	Trustees	Entrix	DOC: Trustee Response to Entrix Proposals for Resolving outstanding Issues on Bird Injury Assessment	DOC: Trustee Response to Entrix Proposals for Resolving outstanding Issues on Bird Injury Assessment
MIQ21	10/03/02	McCartney: Entrix	Hall et al: trustees	EMAIL/DOC: ENTRIX's Proposed Marbled Murrelet Scaling Approach . Mamu scaling document for review prior to October 7-8 2002 meeting	EMAIL/DOC: ENTRIX's Proposed Marbled Murrelet Scaling Approach . Mamu scaling document for review prior to October 7-8 2002 meeting
MIQ22	10/03/02	McCartney: Entrix	Hall et al: trustees	EMAIL/DOC: Entrix's Marbled Murrelet Mortality Estimate Memo w/ attached report: titled Memorandum on Marbled Murrelet Mortality Estimates Dredge Stuyvesant Oil Spill	email discussing agreement with 135 mamu injury, but needing to concurrence from RP. attached Memorandum on Marbled Murrelet Mortality Estimates discusses their version of Entrix-trustee mamu mortality agreements
MIQ23	10/07/02	Entrix	Hall: USFWS et al.	DOC: Entrix proposed MAMU scaling approach	includes 1 copy with Hall's comments on the document and 1 clean copy
MIQ24	10/30/02	McCartney: Entrix	Hall et al: trustees	EMAIL: Entrix's Total Bird Mortality Estimates, Stuyvesant	EMAIL: Entrix's version of total mortality estimates for all birds.
MIQ25	12/11/2002	Yamamoto (CDFG)	Entrix	Email: non-MAMU mortality	With Trustee proposal for bird mortality estimates by species (includes MAMU 12/2/02 doc)
MIQ26	7/23/2002	Lorrie Haley, USFWS	N/A	Summary of Marbled Murrelet Collections, Stuyvesant Oil Spill, September 1999	table listing information on oiled marbled murrelets collected during Stuyvesant spill
MIQ27	12/12/2002	Julie Yamamoto, CDFG	Dan Welsh and Steve Hampton	Coloration of Collected Marbled Murrelets	e-mail updating information on oiled marbled murrelets collected during Stuyvesant spill

MAMU RESTORATION PLANNING

MRP01	04/19/01	Trustees		Table: Forest Stands considered for restoration	Table: Forest Stands considered for restoration
MRP03	11/01/02	Trustees		Marbled Murrelet density estimates	
MRP04	11/18/02	J Yamamoto: Trustees	Wakefield et al (Entrix & Techn., Trustees)	EMAIL/DOC: Trustee Comments on Entrix Scaling and Restoration Proposals (for Marbled Murrelets)	Trustees' comments on Entrix's proposal and recommendations for scaling mamu.
MRP05	01/15/03	McCartney: Entrix	Brickey / Trustees	EMAIL/DOC: Entrix's Proposed Protocol for Field Evaluation of Grizzly Creek Parcels for Marbled Murrelet Habitat dated 1/15/3	Entrix's proposal for field site evaluations.
MRP06	01/20/03	Entrix	Trustees	DOC: Information for Grizzly Creek MMCA Units 1 through 5, 1/20/3	Site information in support of Trustee / Entrix Site visit to PALCO'S MMCA.
MRP07	Mar-03	Entrix	Trustees	DOC: Entrix Analysis of Nest Production on Grizzly Creek MMCA Parcels	Entrix report on mamu scaling and MMCA evaluation

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Tckng#	Date	Author	Recipients	Document Title	Document Description
MRP08	03/28/03	Entrix	Trustees	DOC: Entrix Methods for Assessing Nest Credits on Grizzly Creek Parcels, Summary 3/28/3	Entrix's description of methods used to scale MMCA
MRP09	Apr-03	McCartney: Entrix	Trustees	EMAIL/DOC: Entrix's References used for their mamu scaling settlement presentation	Entrix's mamu scaling references
MRP10	04/22/03	McCartney: Entrix	Hall et al: Trustees	EMAIL/DOC: Entrix's Summary Table for Estimating MAMU Nests on Grizzly Creek Parcels	EMAIL/DOC: Entrix's Summary Table for Estimating MAMU Nests on Grizzly Creek Parcels *** Not Reviewed or concurred with by Trustees
MRP11	05/19/03	Wakefield: Entrix	Zafonte: CDFG-OSPR	EMAIL: mamu acquisition landscape values	attached file with MAMU landscape values
MRP12	05/20/03	McCartney: Entrix	Hall: USFWS et al.	EMAIL: revision to landscape value for unit 3	error in mapping results in decrease in unit 3
MRP13	06/13/03	trustees	Mitchell / Entrix	DOC: Natural Resource Trustees' Response to ENTRIX Analysis of Restoration Scaling for Marbled Murrelets, June 12, 2003	Trustees/MMCA scaling doc sent to Entrix/Mitchell on 6/13/3 from KVS by email
MRP14	07/09/03	Markarian: Entrix	Trustees	EMAIL/DOC: ENTRIX Recommendations for MAMUs--7/8/3 w/attached document titled: Entrix Proposed Parcel Protection Package	sent via email, on 7/9/3, document describes Entrix's scaling of MMCA, in prep for meeting on 7/10/3
MRP15	07/10/03	Markarian: Entrix	Trustees	EMAIL/DOC: Entrix Recommendations for MAMUs, Revised 7/9/3	sent via email, on 7/10/3, document describes Entrix's revised scaling of MMCA, presented at settlement meeting of 7/9/3
MRP16	07/23/03	Markarian: Entrix	Welsh et al	EMAIL: Description of different version of Entrix's mamu scaling assessment.	Entrix's explanation of two versions of MMCA scaling for settlement presentations
MRP17	07/29/03	Trustees		DOC: Natural Resource Trustees' Response to ENTRIX' Recommendations Regarding Restoration Scaling for Marbled Murrelets.	
MRP18	09/26/03	Robert Hight, CDFG	Steve Thompson, USFWS	Acquisition of Pacific Lumber Company Parcels in the Grizzly Creek Marbled Murrelet Conservation Area (MMCA)	letter regarding potential acquisition of marbled murrelet habitat
MRP19	09/29/03	Steve Thompson, USFWS	Robert Hight, CDFG	untitled	letter regarding potential acquisition of marbled murrelet habitat